

Abstract of the Disclosure

**A plate-type heat exchanger with  
double-walled heat transfer plates.**

The invention relates to a plate-type heat exchanger comprising a  
5 stack of double-walled heat exchanger plates (30 - 32) which are  
permanently interconnected and each include two plate members (33,  
34) having a central heat transfer portion (35) and an edge portion  
(36) bent upwardly with respect to the plane of the central heat  
transfer portion (35), separate flow passage spaces for at least two  
10 heat exchange fluids being defined between the double-walled heat  
exchanger plates (30 - 32), the two plate members (33, 34) entering  
into close mutual engagement at least partly in the area of the  
central heat transfer portion (35) and the upwardly bent edge  
portion (36) yet permitting heat exchange fluid between the plate  
15 members which gets to the upwardly bent edge portions (36) to exit  
through an aperture between the upwardly bent edge portions (36),  
the upwardly bent edge portions (36) being formed respectively with  
an outer edge (33a, 34a). The respective outer edges (33a, 34a) of  
the two plate members (33, 34) of the double-walled heat exchanger  
20 plates (30 - 32) are spaced from each other.

(Fig. 3)